

Claims:

1. Resistance-heated ceramic vaporizer boat (10)
comprising an elongated vaporizer body having an upper side
5 (1) and a lower side (2) which are parallel to each other
and having plane lateral side surfaces (3) which are non-
parallel to each other, each of said lateral side surfaces
(3) is inclined by an angle of 45° with respect to the
upper side (1).

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2. Resistance-heated ceramic vaporizer boat (10)
according to claim 1, comprising clamping regions (6) being
formed at the free end portions of the vaporizer boat (10),
the height of which clamping regions (6) not exceeding the
15 height of the vaporizer boat (10), and the clamping regions
(6) comprising two lateral clamping surfaces (5) being
laterally opposite to each other and extending in the
longitudinal direction of the vaporizer boat (10).

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3. Resistance-heated ceramic vaporizer boat (10)
according to claim 2, wherein the clamping surfaces (5)
extend parallel to each other, and wherein the clamping
region (6) comprising the clamping surfaces (5), the upper
side (1) and the lower side (2), has a substantially
25 rectangular cross section.

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4. Resistance-heated ceramic vaporizer boat (10)
according to any of claims 1 to 3, wherein a cavity (4) is
formed in the upper side (1).

5. Resistance-heated ceramic vaporizer boat (10)
according to any of claims 1 to 4, comprising
longitudinally extending edging surfaces (12) between the
upper side (1) and the lateral side surfaces (3).

6. Resistance-heated ceramic vaporizer boat (10)
according to any of claims 1 to 5, wherein the end portions
at the longitudinal ends of the vaporizer body are recessed
5 at the lower side (2) thereof.

7. Resistance-heated ceramic vaporizer boat (10)
according to claim 6, wherein the thickness (d) of the
vaporizer body being measured between the upper side (1)
10 and the lower side (2) thereof, is reduced along a
transition radius (r) to a predetermined partial thickness
(t) along the end portions of the vaporizer body at the
lower side (2) of the end portions.

15 8. Resistance-heated ceramic vaporizer boat (10) according
to claim 7, wherein the ratio between the thickness (d) of
the vaporizer boat (10) and the partial thickness (t) of
the end portions thereof is 10:7.

20 9. Resistance-heated ceramic vaporizer boat (10)
according to claim 8, wherein the ratio between the length
of the vaporizer boat (10) and the length of each end
portion is 13:1.

25 10. Resistance-heated ceramic vaporizer boat (10)
according to claim 8 or 9, wherein the ratio between the
length of the vaporizer boat (10) and its width at the
upper side (1) thereof is 130:35.

30 11. Resistance-heated ceramic vaporizer boat (10)
according to any of claims 6 to 10, wherein the upper side
(1) of the vaporizer body is plane without a cavity.